



>>Entry Name: Tribenzylchlorostannane

Synonym(s): Chlorotris(phenylmethyl)stannane, 10Cl. Tribenzyltin chloride

CAS Registry Number: 3151-41-5

$(\text{PhCH}_2)_3\text{SnCl}$

Molecular Formula: $\text{C}_{21}\text{H}_{21}\text{ClSn}$

Molecular Weight: 427.56

Accurate Mass: 426.035377

Percentage Composition: C 58.99%; H 4.95%; Cl 8.29%; Sn 27.76%

Source/Synthesis: Synth. from 3 PhCH_2Cl and 2 Sn in H_2O at 100°

Physical Description: Colourless needles (EtOAc)

Melting Point: Mp $142\text{-}144^\circ$

Rare Chemicals Library: S81778-3

References:

Sisido, K. *et al.*, *J.A.C.S.*, 1961, **83**, 538, (*synth*)

Verdonck, G.P. *et al.*, *J. Organomet. Chem.*, 1966, **5**, 532, (*nmr*)

Sisido, K. *et al.*, *J. Organomet. Chem.*, 1967, **9**, 99; 1968, **11**, 503

Ng, S.W. *et al.*, *Acta Cryst. C*, 1997, **53**, 56-58, (*cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CLP000